

INDIANAPOLIS



WILLIAM H. HUDNUT, III MAYOR

DIRECTOR RICHARD A. RIPPEL DEPARTMENT OF PUBLIC WORKS 2700 SOUTH BELMONT AVENUE INDIANAPOLIS, INDIANA 46221

TELEPHONE 634-2030

June 3, 1983

CERTIFIED # 4801080

Ms. Valerie Jones United States Environmental Protection Agency Region V 230 South Dearborn Avenue Chicago, IL 60604

Dear Ms. Jones:

Enclosed are the completed Industrial Surveys for the Indianapolis and Marion County area which you requested at our May 13, 1983 meeting. The surveys are grouped by industrial categories and with two exceptions can be used as you see fit.

The survey's from Industrial Liquid Waste Disposal Company and Rock Island Refinery are enclosed in a separate envelope and have been treated as confidential by us since we received them. There is a letter of explanation attached to each survey and we have honored their request for confidentiality since the surveys have been in our possession. I'm sure this won't create any problems for you. If you need any additional information please advise me. I can be contacted at (317) 633-5475.

Sincerely,

Dale Bertelson Section Head

Industrial Surveillance

DRB:vlc

cc: Vicky Keramida

Larry Scully

PERMIT SECTION EPA, REGION V

City of Indianapolis

Sec	tion A — General Infor	mation	
1.	Company Name:	Acetylene Products Co., Inc.	
2.	Street Address:	1760 S. Harding	
		Indianapolis, Indiana	zip: 46221
3.	Mailing Address:	P.O. Box 21138	
		Indianapolis, Indiana	zip: 46221
4.	Briefly describe the	manufacturing or service activity at this facility.	
	Industr	ial Gas - Welding Equipment D	istribution
	Acetyle	ne Producer	
5.	List the major produduction process.	ucts or services of the Facility in decreasing order of	gross dollar volume and briefly describe its pro-
	DPW use only	Product	Process
_	5084	Welding Equipment	Distribution Only
_		Industrial Gases	Distribution Only
-	2813	Acetylene Gas	Calcium Carbide + Water
		narges <i>only</i> domestic sewage to the municipal sewerage to the municip	ge system; check the box below, complete
Ļ	100 (100 (100 (100 (100 (100 (100 (100	Derestation and the second section of the second section of the second section of the second section s	
		ntained in this questionnaire is familiar to me and to complete, and accurate.	
	Signature of O	Official: Thomas Whelkeyon Hile: _ F	resident
	Print or Type	Name: Thomas E. Fulkerson Date: 2	2-2-82
	Contact Person	n: <u>Thomas E. Fulkerson</u> Telephon	e No.: 317-632-6355

Total number of emplo)yees:	49-independent and the second and th	
Operating Schedule:	Hrs/Day	Days/Week	Days/Yr
Scheduled Shutdown P	eriod(s):		
Are processes subject to	o seasonal variation? Yes 🛛	No 🗆	
If yes, explain and indi	cate the month(s) of peak ope	eration, products and affect	on wastewater volume and characteristics
	and principal and the second of the second o		
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		enthologic branch distributions and the second seco	dathalmerassassassassassassassassassassassassass
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Describe any operating volume (batch processe	g conditions (other than seas es, clean-up, etc.) and when t	sonal variations) that chang hese conditions occur:	ge your wastewater characteristics and/or
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INDUSTRIAL SURVEILLANCE QUESTIONNAIRE CHECKLIST

Step	1. Review survey questionnaire and fill out	checklist.	
Step	2. Attach checklist to survey questionnaire.		
Step	3. File information in appropriate folder: a. "Adequate Information" b. "Requires Further Information"		
SECTI	ON A: GENERAL INFORMATION		
		Yes	No
1.	Are items 1-5 complete?		
2.	Have SIC codes been assigned?		
3.	Is the form signed and dated?	U	M
4.	Are items 6-8 complete?		
5.	Is adequate detail provided for questions 9 and 10?		
6.	List items missing or inadequately completed.		
	unsigned & may have discharge		
4-	sturn hanted away to landfill		
SECTI	ON B: WASTEWATER INFORMATION		
		Yes	No
1.	Are items 1 and 2 complete?		
2.	Are items 3-7 complete?		
3.	Is an adequate drawing provided for item 5?		
4.	For a facility with process wasterwater, is item 8a completed?		
	Item 8b?		
5.	List items missing or inadequately completed.		

City of Indianapolis

Company Name:	Airco Cryoplant Ind	ustrial Gases
Street Address:	1045 Harding Court	100 100 100 100 100 100 100 100 100 100
	Indianapolis, IN	zip: 46217
Mailing Address:	Same	
_		zip:
Briefly describe the	manufacturing or service activity at	this facility. Plant takes air into a
distillation	process which separates	and liquifies it into: liquid oxygen,
liquid nitro	gen, and crude liquid arg	gon.
List the major production process.	ucts or services of the Facility in dec	creasing order of gross dollar volume and briefly describe its p
DPW use only	Product	Process
2813	Oxygen	Hie Distillation
-	Nireccen	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Crime Arca	11
, <u></u>		
If your facility disc	narges only domestic sewage to the n	nunicipal sewerage system; check the box below, complete
this page only, and	return the questionnaire.	
<u> </u>		
The information co	ntained in this questionnaire is famil	liar to me and to the best of my knowledge and belief, such
	complete, and accurate.	
Signature of (Official:	Title: Regulatory Compliance Coo
Print or Type	Name: F. J. Dux	Date: 3 9 82

·Total n	umber of em	ployees:	43	The state of the s	
Operat	ing Schedule:	Hrs/Day _	24	Days/Week 7	Days/Yr <u>365</u>
Schedu	led Shutdowr	n Period(s): _	None		
Are pro	ocesses subjec	at to seasonal v	rariation? Yes 🗆	No ☑x	
If yes,	explain and ir	ndicate the mo	onth(s) of peak ope	ration, products and affect	on wastewater volume and characterist
	N/A			- Control of the cont	
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	Water High Carles State		······································		divisione did extreme de management de management de management de management de management de management de m
		view or transfer and material contributions			anni anni anni anni anni anni anni anni
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D = = ==11					
				onal variations) that chang hese conditions occur:	e your wastewater characteristics and
	N/A	- January Company of the Company of			
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		+-44724 <u>-14724-147</u>			The second secon
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Section B - Wastewater Information

Water intake:		Average Gallons Per Day
a. City Water Supply		108,000 gal./day
b. Private Wells		N/A
C		was and stated of the state of
TOTAL		108,000
Water Discharge/Loss:		Average Gallons Per Day
a. Municipal Sewer (estimate percentage of flow according		21,600 gal./day
to following categories) i. cooling	% 99	
ii. process	N/A	
iii. sanitary	1	
iv. other		
b. Natural Receiving Waters/Storm Sewer		
c. Waste Hauler		enne ennounam-enne enne enne enne enne enne enne enn
d. Evaporation		86,400
e. Contained in Product		
f		-r
g		
TOTAL		108,000

_ 3 _

City of Indianapolis Authorization to discharge industrial wastewater

to the municipal sewer system permit #281301 Expiration 1/31/83

utlet No.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
1.	***************************************	21,600	Non-contact cooling water and sanitary sewage	ph 5-
2.	- married water			WAS COMMON TO THE PARTY OF THE
3.	The committee of the control of the			
4.	1000000000			
5.	- The state of the			serveredor-red-, esparac
6.	STATE OF THE PROPERTY OF THE P	COLUMN TO THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER O		MODERA DISA PERMITENTI NELLE PRESENTA DE LA PRESENTA DEL PRESENTA DE LA PRESENTA DE LA PRESENTA DEL PRESENTA DE LA PRESENTA DE
brief flow	description of monitoring can	any existing sampling and, be accomplished. p_{er}	the location of all outlets listed in question B-4. Inclu for flow monitoring activities and any other locations we current permit.	there sampling a
8. Atta brief flow Desc of re	description of monitoring can ribe any pretre	any existing sampling and, be accomplished. p_{er} atment of wastewater stream	or flow monitoring activities and any other locations w	there sampling a
8. Atta brief flow Desc	description of monitoring can cribe any pretre siduals. (For ex	any existing sampling and, be accomplished. p_{er} atment of wastewater stream	for flow monitoring activities and any other locations we current permit. The server are the server are to the sewerage system.	there sampling a
8. Atta brief flow Desc of re	description of monitoring can cribe any pretre siduals. (For ex	any existing sampling and, be accomplished. p_{er} atment of wastewater streample, neutralization, chem	for flow monitoring activities and any other locations we current permit. The server are the server are to the sewerage system.	there sampling a
8. Atta brief flow Desc of re	description of monitoring can cribe any pretre siduals. (For ex	any existing sampling and, be accomplished. p_{er} atment of wastewater streample, neutralization, chem	for flow monitoring activities and any other locations we current permit. The server are the server are to the sewerage system.	there sampling a
8. Atta brief flow Desc of re	description of monitoring can cribe any pretre siduals. (For ex	any existing sampling and, be accomplished. p_{er} atment of wastewater streample, neutralization, chem	for flow monitoring activities and any other locations we current permit. The server are the server are to the sewerage system.	there sampling a
8. Atta brief flow Desc of re	description of monitoring can cribe any pretre siduals. (For ex	any existing sampling and, be accomplished. p_{er} atment of wastewater streample, neutralization, chem	for flow monitoring activities and any other locations we current permit. The server are the server are to the sewerage system.	there sampling a

4. For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size,

outlets may be considered one outlet.

average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these

8. a. Characterize the wastew. I for each outlet to the sewerage system (contified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note:	This section should be com	pleted only if p	process wastewater is	discharged to	the sewerage system.
	tille peerion encoming me point	processing in p			

Outlet number	(ref. B-4	
Jutlet number	(ref. B-4) •

NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene		27.	1,4-dichlorobenzene (para)	
2.	*acrolein			*dichlorobenzidine	
3.	*acrylonitrile		28.	3,3'-dichlorobenzidine	
4.	*benzene			*dichloroethylenes (1,1-dichloroethyl-	
5.	*benzidine			ene and 1,2-dichloroethylene)	
6.	*carbon tetrachloride (tetrachloromethane)		29.	1,1-dichloroethylene	
	*chlorinated benzenes (other than		30.	1,2-trans-dichloroethylene (acetylene	
	dichlorobenzenes)			dichloride	
7.	chlorobenzene		31.	*2,4-dichlorophenol	
8.	1,2,4-trichlorobenzene			*dichloropropane and dichloropropene	
9.	hexachlorobenzene (perchlorobenzene)		32.	1,2-dichloropropane (propylene dichloride	e) 🗆
	*chlorinated ethanes		33.	1,2-dichloropropylene (1,3-	
10.	1,2-dichloroethane (ethylene chloride)			dichloropropene)	
11.	1,1,1-trichloroethane		34.	*2,4-dimethylphenol (2,4-xylenol)	
	(methyl chloroform)			*dinitrotoluene	
12.	hexachioroethane (perchloroethane)		35.	2,4-dinitrotoluene	
13.	1,1-dichloroethane (ethylidene chloride)		36.	2,6-dinitrotoluene	, 🗖
14.	1,1,2-trichloroethane (vinyl trichloride)		37.	*1,2-diphenylhydrazine (hydrazobenzene)	
15.	1,1,2,2-tetrachloroethane (acetylene		38.	*ethylbenzene	
	tetrachloride)		39.	*fluoranthene	
16.	chloroethane (ethylchloride)			*haloethers (other than those listed elsewhere	e)
	*chloroalkyl ethers (chloromethyl,		40.	4-chlorophenyl phenyl ether	
	chloroethyl and mixed ethers)		41.	4-bromophenyl phenyl ether	
17.	bis(chloromethyl) ether		42.	bis(2-chloroisopropyl) ether	
18.	bis(2-chloroethyl) ether		43.	bis(2-chloroethoxy) methane	
19.	2-chloroethyl vinyl ether (mixed)			*halomethanes (other than those listed	
	*chlorinated naphthalene			elsewhere)	
20.	2-chloronaphthalene		44.	methylene chloride (dichloromethane)	
	*chlorinated phenols (other than those liste	d	45.	methyl chloride (chloromethane)	
	elsewhere; includes trichlorophenols and		46.	methyl bromide (bromomethane)	
	chlorinated cresols)		47.	bromoform (tribromomethane)	
21.	2,4,6-trichlorophenol		48.	dichlorobromomethane	
22.	4-chloro-3-methylphene		49.	trichlorofluoromethane (fluorocarbon-11)	
	(parachlorometa cresol)		50.	dichlorodifluoromethane (fluorocarbon-1	
23.	*chloroform (trichloromethane)		51.	dibromochloromethane	
24.	*2-chlorophenol (para-chlorophenol)			(chlorodibromomethane)	
	*dichlorobenzenes	- 	52.	*hexachlorobutadiene	
25.	1,2-dichlorobenzene (ortho)		53.	*hexachlorocyclopentadiene	_
26.	1,3-dichlorobenzene (meta)			(perchlorocyclopentadiene)	

ITEN NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.		LIEVED
54.	*isophorone		93.	4,4'-DDE (p,o'-DDX)	
55.	*naphthalene		94.	4,4'-DDD (p,o'-TDE)	
56.	*nitrobenzene			*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol		95.	endosulfan I (a-endosulfan-Alpha)	
	and dinitrocresol)		96.	endosulfan II (b-endosulfan-Beta)	
57.	2-nitrophenol (para)		97.	endosulfan sulfate	
58.	4-nitrophenol (ortho)			*endrin and metabolites	
59.	*2,4-dinitrophenol		98.	endrin	
60.	4,6-dinitro-2-methylphenol		99 .	endrin aldehyde	
	(4,6-dinitro-o-cresol)			*heptachlor and metabolites	
	*nitrosamines		100.	heptachlor	
61.	N-nitrosodimethylamine		101.	heptachlor epoxide	
62.	N-nitrosodiphenylamine			*hexachlorocyclohexane (all isomers)	
63.	N-nitrosodi-n-propylamine		102.	a-BHC-Alpha	
64.	*pentachlorophenol		103.	b-BHC-Beta	
65.	*phenol		104.	r-BHC-Gamma (lindane)	
	*phthalate esters		105.	g-BHC-Delta	
66.	bis(2-ethylhexyl) phthalate			*polychlorinated biphenyls (PCB's)	
67.	butyl benzyl phthalate		106.	PCB-1242 (Arochlor 1242)	
68.	di-n-butyl phthalate		107.	PCB-1254 (Arochlor 1254)	
69.	di-n-octyl phthalate		108.	PCB-1221 (Arochlor 1221)	
70.	diethyl phthalate		109.	PCB-1232 (Arochlor 1232)	
71.	dimethyl phthalate		110.	PCB-1248 (Arochlor 1248)	
	*polynuclear aromatic hydrocarbons		111.	PCB-1260 (Arochlor 1260)	
72.	benzo(a)anthracene (1,2-benzanthracene) 🗆	112.	PCB-1016 (Arochlor 1016)	
73.	benzo(a)pyrene (3,4-benzopyrene)		113.	*toxaphene	
74.	3,4-benzofluoranthene		114.	*antimony (total)	
75.	benzo(k)fluoranthane (11,12-		115.	*arsenic (total)	
	benzofluoranthene)		116.	*asbestos (fibrous)	
76.	chrysene (1,2-benzphenanthrene)		117.	*beryllium (total)	
77.	acenaphthylene		118.	*cadmium (total)	
78.	anthracene		119.	*chromium (hexavalent)	X IX
79.	benzo(ghi)perylene (1,12-benzoperylene) 🗆	120.	*copper (total)	
80.	fluorene ([alpha] - diphenylene methane) 🗆	121.	*cyanide (total)	
81.	phenanthrene		122.	*lead (total)	
82.	dibenzo(a,h)anthracene (1,2,5,6-		123.	*mercury (total)	
	dibenzanthracene)		124.	*nickel (total)	
83.	indeno (1,2,3-cd)pyrene (2,3-o-		125.	*selenium (total)	
	phenylenepyrene)		126.	*silver (total)	
84.	pyrene		127.	*thallium (total)	
85.	*tetrachloroethylene (perchloroethylene)		128.	*zinc (total)	
86.	*toluene (methylbenzene or toluol)		129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	
87.	*trichloroethylene				
88.	*vinyl chloride (chloroethylene)				
	pesticides and metabolites		*~	and the contract of the contra	مطام سا
89.	*aldrin		_	ecific compounds and chemical classes as listed in	n the
90.	*dieldrin			76 EPA consent degree.	
91.	*chlordane (technical mixture &			nis compound was specifically listed in the conse	
	metabolites)			gree. Because of the extreme toxicity (TCDD),	•
	*DDT and metabolites			PA recommends that laboratories not acquire	
92.	4,4′-DDT		an	alytical standard for this compound.	

List in the "Chemical C

ound" column all materials identified it ... 't a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate either the pounds discharged per year or the average concentration in milligrams per liter (mg/1) of the material in the waste stream.

Chemical Compound	Quantity discharged in either:		
	lbs/yr	mg/1	
BOD ₅		Not Known	
Chemical Oxygen Demand		Not Known	
Total Organic Carbon		Not Known	
Total Suspended Solids		Not Known	
Ammonia (N)		Not Known	
Total Kjeldahl Nitrogen		Not Known	
Petroleum Oils & Grease	reconstitutible conductation of the conductive to the conductive t	Not Known	
Chromium		Less than 2mg/l	
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	330		
	2000-00-00-00-00-00-00-00-00-00-00-00-00		

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Received

City of Indianapolis

Company Name:	AMERICAN MONITOR CORPORAT	ION	
Street Address:	5425 W. 84th St.		
	Indianapolis, IN	zip:	46268
Mailing Address:	5425 W. 84th St.		
***************************************	Indianapolis, IN	zip:	46268
Briefly describe the ma	anufacturing or service activity at this facility.		Diagnostic
Reagents	for Hospitals and clinical Labo	ratories.	
. *			
duction process.	s or services of the Facility in decreasing orde	r ot gross dollar volum	e and briefly describe its pro
DPW use only	Product		Process
28/9	Chemical Reagents	Batching	& Packing, Dispens
2869			
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	ges only domestic sewage to the municipal sev	verage system; check t	ne box below, complete
If your facility dischar this page only, and ret		verage system; check t	he box below, complete
		verage system; check t	he box below, complete
this page only, and ret	urn the questionnaire.		
this page only, and ret	urn the questionnaire. uined in this questionnaire is familiar to me an implete, and accurate.	d to the best of my kn	owledge and belief, such
The information containformation is true, co	urn the questionnaire. uined in this questionnaire is familiar to me an implete, and accurate. icial: Marcia J. Alenta Title	d to the best of my kn	owledge and belief, such

Total number of en	nployees:	And the state of t	ACTION CONTROL OF THE PROPERTY			
Operating Schedule	: Hrs/Day	9	. Days/Week	5	Days/Yr 260	ш <i>ч</i> ишижо 9
Scheduled Shutdov	vn Period(s):	NONE	المراقعة والمراقعة والمراقع والمراقعة والمراقعة والمراقعة والمراقع		and the second and th	
Are processes subje	ct to seasona	al variation? Yes	□ No 🏋 ×			
lf yes, explain and	indicate the	month(s) of peak	operation, products a	and affect on	wastewater volume	and characteristics:
N/A						MATTER ATTENDED
<u>шайндар орууун хаш оймагай айсар үчүнүн түч түрө так айв айвүү</u> р			——————————————————————————————————————	and the second 	, maintenance (1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
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			n these conditions o		Odi MasteMatei Ci	idiacteristics anu/or
#1 Dire		Water Cooling	for Lyophiliz	er when ar	ny interuption	n to the cooling
towe	er system	occures.			anniahan neganaka annaka magapa m	unbaumentus autumppunks eijein pelpinatus persona state (s).
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#2 Impi	roper bat	ching of reag	ents due to ch	emicl or n	nan made probl	Leins.
#19 <u>###################################</u>	a parteeren meta was "We amerika voor maarin meta andar ween	WHATTON TO THE PARTY OF THE PAR	OF THE PROPERTY AND ADMINISTRAL AND ADMINISTRATIONAL AND ADMINISTRAL AND ADMIN	аржазування винаника ття + шиса		MINNESS CO. OF STREET,
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Section B - Wastewater Information

Water intake:		Average Gallons Per D
a. City Water Supply		13193
b. Private Wells		n/a
C		n/a
TOTAL		13,193
Water Discharge/Loss:		Average Gallons Per D
a. Municipal Sewer		12,273
(estimate percentage of flow according		
to following categories)	%	
i. cooling	53	
ii. process	15	
iii. sanitary	24	
iv. other	n/a	
b. Natural Receiving Waters/Storm Sewer		n/a
c. Waste Hauler		n/a
d. Evaporation		240
e. Contained in Product		680
f		n/a
g		n/a
TOTAL		13,193

	onal Pollutant	Discharge	Elimination	System	(NPDES)	Permit	has	been	issued	for	this	facility,	list	the	permi
number:	None		*****			•									

For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

itlet lo.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
4	8	12,273	Cooling & Sanitary	7.3
2.	400m-lankatistikati	AND CHARLES AND PARTY OF CHARLES		
3.		<u> </u>	400	
4.	v0	POWER PARTY NAME OF THE PARTY		
5.	·			PACHEL Colonia Construction Colonia Co
6.	**************************************			#2000 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
7.				
8.	mm/spinete secures		VIIIIIN OBERI QUBEROREA. — CO TINADEQUARIRE CARA ESPERANCIA CARA PROPERTO PER CONTRA C	· · · · · · · · · · · · · · · · · · ·
Des of r	cribe any pretre esiduals. (For ex atment.)		ams that occurs prior to discharge to the sewerage system nical addition, filtration, oil separation, grease trap, sedime	
				, , , , , , , , , , , , , , , , , , , ,
			·	· · · · · · · · · · · · · · · · · · ·
			·	
				the state of the s

Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes 🗀 No 🖼

8. a. Characterize the wastewater for each outlet to the sewerage system (identified in question 8-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note:	This section should be	completed only if	process wastewater i	s discharged to	o the sewerage system.
-------	------------------------	-------------------	----------------------	-----------------	------------------------

Outlet number (ref. B-4):

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	•	BELIEVED PRESENT
1.	*acenaphthene		27.	1,4-dichlorobenzene (para)	
2.	*acrolein			*dichtorobenzidine	
3.	*acrylonitrile		2 8.	3,3'-dichlorobenzidine	
4.	*benzene			*dichloroethylenes (1,1-dichloroethyl-	
5.	*benzidine			ene and 1,2-dichloroethylene)	
6.	*carbon tetrachloride (tetrachloromethane)		29.	1,1-dichloroethylene	
	*chlorinated benzenes (other than		30.	1,2-trans-dichloroethylene (acetylene	
	dichlorobenzenes)			dichloride	
7.	chlorobenzene		31.	*2,4-dichlorophenol	
8.	1,2,4-trichlorobenzene			*dichloropropane and dichloropropene	
9.	hexachlorobenzene (perchlorobenzene)		32.	1,2-dichloropropane (propylene dichloride) 🗆
	*chlorinated ethanes		33.	1,2-dichloropropylene (1,3-	
10.	1,2-dichloroethane (ethylene chloride)			dichloropropene)	
11.	1,1,1-trichloroethane		34.	*2,4-dimethylphenol (2,4-xylenol)	
	(methyl chloroform)			*dinitrotoluene	
12.	hexachloroethane (perchloroethane)		35.	2,4-dinitrotoluene	
13.	1,1-dichloroethane (ethylidene chloride)		36.	2,6-dinitrotoluene	
14.	1,1,2-trichloroethane (vinyl trichloride)		37.	*1,2-diphenylhydrazine (hydrazobenzene)	. 🖸
15.	1,1,2,2-tetrachloroethane (acetylene		38.	*ethylbenzene	
	tetrachloride)		39.	*fluoranthene	
16.	chloroethane (ethylchloride)			*haloethers (other than those listed elsewhere	;)
	*chloroalkyl ethers (chloromethyl,		40.	4-chlorophenyl phenyl ether	
	chloroethyl and mixed etllers)		41.	4-bromophenyl phenyl ether	
17.	bis(chloromethyl) ether		42.	bis(2-chloroisopropyl) ether	
18.	bis(2-chloroethyl) ether	П	43.	bis(2-chloroethoxy) methane	
19.	2-chloroethyl vinyl ether (mixed)			*halomethanes (other than those listed	
	*chlorinated naphthalene			elsewhere)	
20.	2-chloronaphthalene		44.	methylene chloride (dichloromethane)	
	*chlorinated phenols (other than those listed	d	45.	methyl chloride (chloromethane)	
	elsewhere; includes trichlorophenols and		46.	methyl bromide (bromomethane)	
	chlorinated cresols)		47.	bromoform (tribromomethane)	
21.	2,4,6-trichlorophenol		48.	dichlorobromomethane	
22.	4-chloro-3-methylphene		49.	trichlorofluoromethane (fluorocarbon-11)	
	(parachiorometa cresol)		50.	dichlorodifluoromethane (fluorocarbon-12	2) 🗆
23.	*chloroform (trichloromethane)		51.	dibromochloromethane	
24.	*2-chlorophenol (para-chlorophenol)			(chlorodibromomethane)	
	*dichlorobenzenes		5 2.	*hexachlorobutadiene	
25.	1,2-dichlorobenzene (ortho)		53.	*hexachlorocyclopentadiene	
26.	1,3-dichlorobenzene (meta)			(perchlorocyclopentadiene)	

εM	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.		ELIEVED
	*isophorone		93.	4,4'-DDE (p,o'-DDX)	
	*naphthalene		94.	4,4'-DDD (p,o'-TDE)	
	*nitrobenzene			*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol		95.	endosulfan I (a-endosulfan-Alpha)	
	and dinitrocresol)		96.	endosulfan II (b-endosulfan-Beta)	
	2-nitrophenol (para)		97.	endosulfan sulfate	
	4-nitrophenol (ortho)			*endrin and metabolites	
	*2,4-dinitrophenol		98.	endrin	
	4,6-dinitro-2-methylphenol		99.	endrin aldehyde	
	(4,6-dinitro-o-cresol)			*heptachlor and metabolites	
	nitrosamines		100.	heptachlor	
	N-nitrosodimethylamine		101.	heptachlor epoxide	
	N-nitrosodiphenylamine			*hexachlorocyclohexane (all isomers)	
	N-nitrosodi-n-propylamine		102.	a-BHC-Alpha	
	*pentachlorophenol		103.	b-BHC-Beta	
	*phenol	_	104.	r-BHC-Gamma (lindane)	
	*phthalate esters		105.	g-BHC-Delta	
	bis(2-ethylhexyl) phthalate		,	*polychlorinated biphenyls (PCB's)	_
	butyl benzyl phthalate	ā	106.	PCB-1242 (Arochlor 1242)	
	di-n-butyl phthalate	<u> </u>	107.	PCB-1254 (Arochlor 1254)	ō
	di-n-octyl phthalate	_	108.	PCB-1221 (Arochlor 1221)	
	diethyl phthalate		109.	PCB-1232 (Arochlor 1232)	
	dimethyl phthalate		110.	PCB-1248 (Arochlor 1248)	
	*polynuclear aromatic hydrocarbons		111.	PCB-1260 (Arochlor 1260)	
	benzo(a)anthracene (1,2-benzanthracene) 🗆	112.	PCB-1016 (Arochlor 1016)	
	benzo(a)pyrene (3,4-benzopyrene)			*toxaphene	
	3,4-benzofluoranthene		114.	*antimony (total)	
	benzo(k)fluoranthane (11,12-		115	*arsenic (total)	
	benzofluoranthene)			*asbestos (fibrous)	
	chrysene (1,2-benzphenanthrene)	ā	117.	*beryllium (total)	
	acenaphthylene			*cadmium (total)	
	anthracene			*chromium (hexavalent)	
1	benzo(ghi)perylené (1,12-benzoperylene			*copper (total)	
	fluorene ([alpha] - diphenylene methane		121.	• •	_
ł.,	phenanthrene	, <u> </u>		*lead (total)	
•	dibenzo(a,h)anthracene (1,2,5,6-	l-md	123.	*mercury (total)	ā
· .	dibenzanthracene)			*nickel (total)	ō
	indeno (1,2,3-cd)pyrene (2,3-o-	;		*selenium (total)	
	phenylenepyrene)			*silver (total)	
	• • •			*thallium (total)	
•	pyrene *tetrachloroethylene (perchloroethylene)			*zinc (total)	
7.	*toluene (methylbenzene or toluol)			**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD	. –
).			129.	2,5,7,0-tetracinorodiochizo p-dioxin (1000	,
	*trichloroethylene *vinyl chloride (chloroethylene)				
1		1J			
***	pesticides and metabolites *aldrin		*Sp	ecific compounds and chemical classes as listed	l in the
Э.			•	76 EPA consent degree.	
9.	*dieldrin *chlordane (technical mixture &	L		nis compound was specifically listed in the cons	sent
į.,				egree. Because of the extreme toxicity (TCDD)	
	metabolites)	Li .		PA recommends that laboratories not acquire	1.0
	*DDT and metabolites			allytical standard for this compound.	
ž.	4,4'-DDT	Ц	an	iary treat stantaged for this compound.	

8. b. List in the "Chemical Compound" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate either the pounds discharged per year or the average concentration in milligrams per liter (mg/1) of the material in the waste stream.

Chemical Compound	Quantity discharged in either:					
Chemical Compound	lbs/yr	mg/1				
BOD ₅						
Chemical Oxygen Demand						
Total Organic Carbon						
Total Suspended Solids						
Ammonia (N)	финационизмур— ««Иб»фору»-финациямический					
Total Kjeldahl Nitrogen						
Petroleum Oils & Grease						
NONE OF THE LISTED CHEMICAL COMPOUND IN SECTION 8A & B ARE BELIEVED TO BE						
PRESENT IN OUR WASTE WATER SYSTEM.	MARIEL ANN PARE EL ANN PARE PARE PARE PARE PARE PARE PARE PARE					
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	arrunn vurner NHK (- Phijokol Holigo and a constitution to					

City of Indianapolis

tion A — General Inf	ormation	
Company Name: _	Crown Chemical Co., Inc.	
Street Address:	515 S. Harmon Street	
	Indianapolis, IN	zip: 46.225
Mailing Address:	P.O. Box 2225	•
•	Indianapolis, IN	zip: 46206
Briefly describe th	e manufacturing or service activity at this facility. $\overline{}$	ending and mixing of
	inhibitors for the metalworking	
iron sulfa	te for fertilizer and water tre	atment plants. '

List the major production process.	oducts or services of the Facility in decreasing order of gr	oss dollar volume and briefly describe its pro-
DPW use only	Product	Process
2819	Corrosion Inhibitors	Mixing wetting agents
2897	Iron Sulfate	and amines. Drying (fluid bed)
	Metal & Boiler Cleaners	Mixing acid base chemica
Ţ.		
If your facility di	scharges only domestic sewage to the municipal sewerage	system: check the box below complete
	d return the questionnaire.	. system, the box bolove, complete
	contained in this questionnaire is familiar to me and to the complete, and accurate.	he best of my knowledge and belief, such
Signature o	f Official John Title:	President
Print or Ty	pe Name: Joseph C. PetersonDate:	3-29-82
Contact Pe	rson: Joseph C. PetersonTelephone	No.: 317-637-1216

Total number of en	nployees: _	8		kidan Olidamaan saaki					
Operating Schedule	: Hrs/Day	8	with the state of	Days/Week	5		Days/Yr	255	
Scheduled Shutdov	vn Period(s):	Chris	tmas We	ek	1 	Si rik wa n a manaka maja da		-Some and the second se	- Company Company
Are processes subje	ct to seasona	l variation?	Yes 🗆	No \\TX					•
If yes, explain and	indicate the	month(s) of	f peak opera	tion, products	and affec	at on wa	stewater \	volume and char	acteristics:
Commentation (115-2004) Annual State of the Comment	COLOR						The second se		
entropy of a production of the second of the	sianos o los comos estados de la como de la		орин од настоя од от		***************************************		<u>.</u>	dautholdfildeinioladinniksaansivelelussaansiksensaataasisisistata	
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		and the state of t		40001774A4-A10OH-OH-OH-OH-OH-OH-OH-OH-OH-OH-OH-OH-OH				CE-97/U/656/Ahra-Service	o-jenn-farafrik followiek en de konden farafrik followiek en de konden farafrik followiek en de konden farafri
	*		**************************************	·					Teamwood De Chelomon Custo (Carlo)
•	2000								
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Describe any oper volume (batch pro						nge you	ir wastew	ater characteris	tics and/or
Clean-up c	only! W	ashing	floors	and eqip	oment	once	a wee	k.	
				P49-M4 charles de la contraction de la contracti				and the state of t	
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			-						
				**************************************	,		······································		

Section B - Wastewater Information

Water intake:		Average Gallons Per Da
a. City Water Supply		1,000
b. Private Wells		
C4		
TOTAL		1,000
Water Discharge/Loss:		Average Galions Per Da
		300
a. Municipal Sewer (estimate percentage of flow according to following categories)	%	Gallet from the many contraction of the contraction
i. cooling	10-15	
ii. process	5 10	
iii. sanitary iv. other		
b. Natural Receiving Waters/Storm Sewer		***
c. Waste Hauler		
d. Evaporation		-7.00
e. Contained in Product		700
f		- Action Color - Management Color - Action - Act
g. water-balance-balan		
TOTAL		1,000

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number:

For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note:	Please contact [Dale Bertelson	(634-2030)	if you have any	questions on	reporting this	information,	particularly
for fac	ilities with num	erous outlets.						,

tlet O.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
ŧ.	3"_	50	Floor Wash	7-8
2.	3"	200	Floor Wash & Equipment &	7-8
3.		with reserve to the desirable point in the construction of the	Cooling	40-040m25100045777712
4 .			4.00-00-00-00-00-00-00-00-00-00-00-00-00-	- our organism
5.	***************************************	and the same of th		***************************************
6.		-ENGLAND CONTRACTOR AND CONTRACTOR CONTRACTO		alachdistration (Excellent House Property)
7.	Mark the second		The state of the s	en verbuure
8.	e e			
Att	ach a drawing of	your facility indicating	the location of all outlets listed in question 8-4. Include	e the location a
brie flow Des of r tres	of description of an work monitoring can be scribe any pretreating the siduals. (For examplement.) One, unless	ny existing sampling and e accomplished. ment of wastewater strongle, neutralization, checks low pH is sp	d/or flow monitoring activities and any other locations where are seen a seem that occurs prior to discharge to the sewerage system a mical addition, filtration, oil separation, grease trap, sedimental idea. Then normal neutralization	ere sampling ar and the final dis ntation, or biolo
Desofratives	of description of an work monitoring can be scribe any pretreating the siduals. (For examplement.) One, unless	ny existing sampling and e accomplished. ment of wastewater stronple, neutralization, che	d/or flow monitoring activities and any other locations where are seen a seem that occurs prior to discharge to the sewerage system a mical addition, filtration, oil separation, grease trap, sedimental idea. Then normal neutralization	ere sampling an and the final disp ntation, or biolo
Desofrative N	of description of an work monitoring can be scribe any pretreating the siduals. (For examplement.) One, unless	ny existing sampling and e accomplished. ment of wastewater strongle, neutralization, checks low pH is sp	d/or flow monitoring activities and any other locations where are seen a seem that occurs prior to discharge to the sewerage system a mical addition, filtration, oil separation, grease trap, sedimental idea. Then normal neutralization	ere sampling an and the final disp ntation, or biolo

Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes The No D

8. 3. Characterize the wastewater for each outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note:	This section should be completed only if process wastewater is discharged to the sewerage system.
-------	---

Outlet number (ref. B-4):

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEN NO.		ELIEVED
1.	*acenaphthene		27.	1,4-dichlorobenzene (para)	
2.	*acrolein			*dichlorobenzidine	_
3.	*acrylonitrile		28.	3,3'-dichtorobenzidine .	
4.	*benzene			*dichloroethylenes (1,1-dichloroethyl-	
5.	*benzidine			ene and 1,2-dichloroethylene)	
6.	*carbon tetrachloride (tetrachloromethane)		29.	1,1-dichloroethylene	
	*chlorinated benzenes (other than		30.	1,2-trans-dichloroethylene (acetylene	
	dichlorobenzenes)			dichloride	
7.	chlorobenzene		31.	*2,4-dichlorophenol	
8.	1,2,4-trichlorobenzene			*dichloropropane and dichloropropene	
9.	hexachlorobenzene (perchlorobenzene)		32.	1,2-dichloropropane (propylene dichloride)	
	*chlorinated ethanes		33.	1,2-dichloropropylene (1,3-	
10.	1,2-dichloroethane (ethylene chloride)			dichloropropene)	
11.	1,1,1-trichloroethane		34.	*2,4-dimethylphenol (2,4-xylenol)	
	(methyl chloroform)			*dinitrotoluene	
12.	hexachloroethane (perchloroethane)		35.	2,4-dinitrotoluene	
13.	1,1-dichloroethane (ethylidene chloride)		36.	2,6-dinitrotoluene	
14.	1,1,2-trichloroethane (vinyl trichloride)		37.	*1,2-diphenylhydrazine (hydrazobenzene)	
15.	1,1,2,2-tetrachloroethane (acetylene		38.	*ethylbenzene	
	tetrachloride)		39.	*fluoranthene	
16.	chloroethane (ethylchloride)			*haloethers (other than those listed elsewhere))
	*chloroalkyl ethers (chloromethyl,		40.	4-chlorophenyl phenyl ether	
	chloroethyl and mixed ethers)		41.	4-bromophenyl phenyl ether	
17.	bis(chloromethyl) ether		42.	bis(2-chloroisopropyl) ether	
18.	bis(2-chloroethyl) ether		43.	bis(2-chloroethoxy) methane	
19.	2-chloroethyl vinyl ether (mixed)			*halomethanes (other than those listed	
	*chlorinated naphthalene			elsewhere)	
20.	2-chloronaphthalene		44.	methylene chloride (dichloromethane)	
	*chlorinated phenols (other than those liste	d	45.	methyl chloride (chloromethane)	
	elsewhere; includes trichlorophenols and		46.	methyl bromide (bromomethane)	
	chlorinated cresols)		47.	bromoform (tribromomethane)	
21.	2,4,6-trichlorophenol		48.	dichlorobromomethane	
22.	4-chloro-3-methylphene		49.	trichlorofluoromethane (fluorocarbon-11)	
	(parachlorometa cresol)		50.	dichlorodiffuoromethane (fluorocarbon-12) 🗆
23.	*chloroform (trichloromethane)		51.	dibromochloromethane	
24.	*2-chlorophenol (para-chlorophenol)			(chlorodibromomethane)	
	*dichlorobenzenes		52.	*hexachlorobutadiene	
25.	1,2-dichlorobenzene (ortho)		53,	*hexachlorocyclopentadiene	
26.	1,3-dichlorobenzene (meta)		,	(perchlorocyclopentadiene)	

≀TEM		BELIEVED	ITEM	BI	ELIEVED
NO.	CHEMICAL COMPOUND	PRESENT	NO.	CHEMICAL COMPOUND P	RESENT
54.	*isophorone		93.	4,4'-DDE (p,o'-DDX)	
55.	*naphthalene		94.	4,4'-DDD (p,o'-TDE)	
56.	*nitrobenzene			*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol		95.	endosulfan I (a-endosulfan-Alpha)	
	and dinitrocresol)		96.	endosulfan II (b-endosulfan-Beta)	
57.	2-nitrophenol (para)		97.	endosulfan sulfate	
58.	4-nitrophenol (ortho)			*endrin and metabolites	
59.	*2,4-dinitrophenol		98.	endrin	
60.	4,6-dinitro-2-methylphenol		99.	endrin aldehyde	
	(4,6-dinitro-o-cresol)			*heptachlor and metabolites	
	*nitrosamines		100.	heptachlor	
61.	N-nitrosodimethylamine		101.	heptachlor epoxide	. 🔲
62.	N-nitrosodiphenylamine			*hexachlorocyclohexane (all isomers)	_
63.	N-nitrosodi-n-propylamine		102.	a-BHC-Alpha	
64.	*pentachlorophenol		103.	b-BHC-Beta	
65.	*phenol		104.	r-BHC-Gamma (lindane)	
	*phthalate esters	P	105.	g-BHC-Delta	
66.	bis(2-ethylhexyl) phthalate			*polychlorinated biphenyls (PCB's)	
67.	butyl benzyl phthalate		106.	PCB-1242 (Arochlor 1242)	
68.	di-n-butyl phthalate		107.	PCB-1254 (Arochlor 1254)	
69.	di-n-octyl phthalate		108.	PCB-1221 (Arochlor 1221)	
70.	diethyl phthalate		109.	PCB-1232 (Arochlor 1232)	
71.	dimethyl phthalate		110.	PCB-1248 (Arochlor 1248)	
	*polynuclear aromatic hydrocarbons		111.	PCB-1260 (Arochlor 1260)	
72.	benzo(a)anthracene (1,2-benzanthracene)		112.	PCB-1016 (Arochlor 1016)	
73.	benzo(a)pyréne (3,4-benzopyrene)			*toxaphene	
74.	3,4-benzofluoranthene			*antimony (total)	
75.	benzo(k)fluoranthane (11,12-			*arsenic (total)	
	benzofluoranthene)			*asbestos (fibrous)	
76.	chrysene (1,2-benzphenanthrene)			*beryllium (total)	
77.	acenaphthylene			*cadmium (total)	
78.	anthracene			*chromium (hexavalent)	
79.	benzo(ghi)perylene (1,12-benzoperylene)			copper (total)	
80.	fluorene ([alpha] - diphenylene methane			*cyanide (total)	
81.	phenanthrene			*lead (total)	
82.	dibenzo(a,h)anthracene (1,2,5,6-			*mercury (total)	
00	dibenzanthracene)			*nickel (total)	
83.	indeno (1,2,3-cd)pyrene (2,3-o-			*selenium (total)	
0.4	phenylenepyrene)			*silver (total)	
84.	pyrene			*thallium (total)	
85.	*tetrachloroethylene (perchloroethylene)			*zinc (total)	
86. 07	*toluene (methylbenzene or toluol)		129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	
87.	*trichloroethylene				
88.	*vinyl chloride (chloroethylene)				
00	pesticides and metabolites	_	*Sn	ecific compounds and chemical classes as listed	in the
89.	*aldrin * dialada			176 EPA consent degree.	
90.	*dieldrin			-	
91.	*chlordane (technical mixture &	m		his compound was specifically listed in the con	
	metabolites)			egree. Because of the extreme toxicity (TCDD)	,
00	*DDT and metabolites			PA recommends that laboratories not acquire	
92.	4,4'-DDT		aı	nalytical standard for this compound.	

b. List in the "Chemical Compound" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate either the pounds discharged per year or the average concentration in milligrams per liter (mg/1) of the material in the waste stream.

Quantity discharged in either: Chemical Compound lbs/yr mg/1 BOD₅ Chemical Oxygen Demand Total Organic Carbon Total Suspended Solids Ammonia (N) Total Kjeldahl Nitrogen Petroleum Oils & Grease

For DPW use only Account No.: Category: 1 □ 2 □ 3 □ 4 □ 5 □ 2/37/82 PAUD Stee Received Reviewer's Reviewed

City of Indianapolis

Section A — General Infor	rmation							
1. Company Name:	INDIANA	OXY	GEN COMP	ANY				- OMMONIA -
2. Street Address:	435 S. I	DELA	WARE STE	EET,			V=1015781101-10162-	
	INDIANA	POLI	S, INDIA	NA.	·····	zip:	46225	ne n vokanytanzonek
3. Mailing Address:	P. O. B	OX #	1304					
-	INDIANA	POLI	S, INDIA	NA.		zip:	46206	
4. Briefly describe the	manufacturing	or serv	ice activity at	this facility				
FILLING	COMMERCI	AL G	AS CYLIN	IDERS				
 List the major production process. 	ucts or services	of the	Facility in dec	creasing order	of gross do	llar volume a	nd briefly des	cribe its pro-
DPW use only			Product				Process	
5161		OXYG	EN		CON	VERTING	LIQUID	TO GAS
2813	<u></u>	NITR	OGEN		<i></i>	98	(†	ęp
:		CARB	ON-DIOXI	DE		#	99	48
	* *							
If your facility disch this page only, and r				nunicipal sewo	erage syster	n; check the	box below, co	mplete
The information cor information is true,				iar to me and	to the best	of my know	ledge and beli	ef, such
Signature of C	Official:			Title:	SECY	TREAS.		
Print or Type	Name: R	. P.	BRANT		2/26/8	32		

Total number of emp	pioyees:	- Annie de Carlos de Carlo		
Operating Schedule:	Hrs/Day	Days/Week	Days/Yr	
Scheduled Shutdown	Period(s):			Walletter
Are processes subject	to seasonal variation? Yes	No 🗆		
lf yes, explain and in	dicate the month(s) of peak opera	ation, products and affec	t on wastewater volume a	nd characteristics:
		Specific and the second se		
**************************************		29-45		
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				nanananananananananananananananananana
	·		ARAMATA	
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And the second s			CO45-y-d-manuscript	- Marie Carrier Constitute Consti
Describe any operati	ng conditions (other than season sses, clean-up, etc.) and when the	nal variations) that chan	nge your wastewater char	acteristics and/or
voieme (batti protes	:	se conditions occur:		
		A Committee of the Comm		
4-management grant of the selection of t				
Andrews and the second		rendrations and the second	POLYCorrection was an assument, MASSEQNE, Copyright Collection of the same grown appearan	(Colored to the Colored to the Color
			4900-le-po (Eta hilitik) u u vyedinim maga manapapaka poperazi i vyetin dipekin dishinki u kama u u u u u u u u	The state of the s
				hidronilinessassassassanningsporteriorestational
			allidonas sadzen a meno e fonço qui di Cirilla con insidante amphelipi les mentre 1955 e proprio carri	Mary and Articles and the Second Property of
				Microsophia de Carlo
end-				
			When the second	

INDUSTRIAL SURVEILLANCE QUESTIONNAIRE CHECKLIST

Step '	1. Review survey questionnaire and fill out	checklist.	
Step a	2. Attach checklist to survey questionnaire	·•	
Step 3	File information in appropriate folder:a. "Adequate Information"b. "Requires Further Information"		
SECTI	ON A: GENERAL INFORMATION		
		Yes	No
1.	Are items 1-5 complete?	Section 1	
2.	Have SIC codes been assigned?		
3.	Is the form signed and dated?		
4.	Are items 6-8 complete?		
5.	Is adequate detail provided for questions 9 and 10?		
6.	List items missing or inadequately completed.		
SECTIO	ON B: WASTEWATER INFORMATION		
		Yes	No
1.	Are items 1 and 2 complete?		
2.	Are items 3-7 complete?		
3.	Is an adequate drawing provided for item 5?		
4.	For a facility with process wasterwater, is item 8a completed?	-	
	Item 8b?		
5.	List items missing or inadequately completed.		

City of Indianapolis

Fo	or DPW use anly	
Account No.:		
Category: 1	02030	4050
1/8/82 Dete	PAOD Reviewer's	7/15/82
Received	nitials	Reviewed

TOT MOTION	
MID-STATE CHEMICAL & SUPPLY CORP.	
2100 GREENBRIER LANE	
INDIANAPOLIS, INDIANA	zip: 46218
P. O. BOX 18227	
INDIANAPOLIS, INDIANA	zip: 46218
ne manufacturing or service activity at this facility	
oducts or services of the Facility in decreasing order of	gross dollar volume and briefly describe its pr
Product	Process
DISTRIBUTOR OF SUN SWIMMING	Монициализация
	NO MANUFACTURING PROCESS
	NO MANUFACTURING PROCESS
	NO PANOTACTORING PROCESS
<u>COMPOUNDER</u>	MIXING AND PACKAGING
scharges only domestic sewage to the municipal sewera	De system; check the boy below complete
d return the questionnaire.	50 373 cm, check the box below, complete
contained in this questionnaire is familiar to me and to e, complete, and accurate.	the best of my knowledge and belief, such
Official: Title:	TREASURER
pe Name: / JAMES M. ROBERTS Date:	3-18-82
son: JAMES M. ROBERTS Telephon	e No.: (317) 925–1407
	MID-STATE CHEMICAL & SUPPLY CORP. 2100 GREENBRIER LANE INDIANAPOLIS, INDIANA P. O. BOX 18227 INDIANAPOLIS, INDIANA The manufacturing or service activity at this facility. ALS, BASIC CHEMICAL DISTRIBUTOR, COMMODITY of SUN SWIMMING POOL CHEMICALS DISTRIBUTOR OF BASIC CHEMICALS DISTRIBUTOR OF BASIC CHEMICALS SPECIALTY CHEMICAL COMPOUNDER Contained in this questionnaire is familiar to me and to be, complete, and accurate. FOfficial: JAMES M. ROBERTS Date:

Operating Schedules: Hrs/Day 10. Days/Week 5. Days/Yr 250 Scheduled Shutdown Period(s): NONE Are processes subject to seasonal variation? Yes No © f yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristic periods any operating conditions (other than seasonal variations) that change your wastewater characteristics and/colume (batch processes, clean-up, etc.) and when these conditions occur: ECONOMIC CONDITIONS ONLY	Total number of em	ployees:	30				
Are processes subject to seasonal variation? Yes No	Operating Schedule:	Hrs/Day	10	Days/Week	5	Days/Yr25	50
Are processes subject to seasonal variation? Yes No f yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristic and the seasonal variations of the seasonal variations and the seasonal variations occur:	Scheduled Shutdow	n Period(s): _	NONE	• *			
f yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics and/operation and indicate the month(s) of peak operation and indicate the month(s) of peak operation and indicate the month (s) of peak oper			·				
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/o							
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or olume (batch processes, clean-up, etc.) and when these conditions occur:	if yes, explain and i	ndicate the mo	nth(s) of peak ope	ration, products	and affect on v	vastewater volum	e and characteristics
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or olume (batch processes, clean-up, etc.) and when these conditions occur:		400-100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-				THE RESERVE OF THE PROPERTY OF	
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or olume (batch processes, clean-up, etc.) and when these conditions occur:	, , , , , , , , , , , , , , , , , , ,		The state of the s				
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/orlume (batch processes, clean-up, etc.) and when these conditions occur:							
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/colume (batch processes, clean-up, etc.) and when these conditions occur:							
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/orolume (batch processes, clean-up, etc.) and when these conditions occur:				**************************************			
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/colume (batch processes, clean-up, etc.) and when these conditions occur:	TO PERSONAL PROPERTY OF THE PERSON OF THE PE			C-4000-C-C-C-C-C	Olio Calintono con constitui de la constitui d		
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/o		1007-100-100-000-000-000-000-000-000-000					1
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/o							
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/o							AND AND PROCESSION OF THE PROPERTY OF THE PROP
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/o volume (batch processes, clean-up, etc.) and when these conditions occur:	<u> </u>						
Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or colume (batch processes, clean-up, etc.) and when these conditions occur:	•						
colume (batch processes, clean-up, etc.) and when these conditions occur:	and the second s					THE RESERVE OF THE PROPERTY OF	
colume (batch processes, clean-up, etc.) and when these conditions occur:	Describe any opera	ting conditions	: (other than seas	nai variatione)	that change w	Dir wasananana	.hanaaanlastaa
	volume (batch proc	esses, clean-up	etc.) and when the	nese conditions	occur:	Jul Wastewatel (maracteristics and/o
	O-CONTROL OF THE PROPERTY OF T	÷	MILE TO THE PROPERTY OF THE PR				
	ECONOMIC CON	DITIONS ON	LY				
	**************************************	· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,				ili, ili, manamana an ili, manaman mili, ana
	According to the second			**************************************		and the second s	
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			P.C.		* 1		
	***************************************			- to the control of t			OCCUPATION OF THE PROPERTY OF

	400 garage and a second		The state of the s				

Section B - Wastewater Information

number:

Water intake:			Average Gallons Per Day	
a. City Water Supply			1625	
b. Private Wells				
C				
	TOTAL		1625	
Water Discharge/Loss:			Average Gallons Per Day	
Municipal Sewer (estimate percentage of flow a to following categories)	according	%	1100	
i. cooling				
ii. process		_ 5%		
iii. sanitary		82%		
iv. other - BOILER		13%		
b. Natural Receiving Waters/Sto	orm Sewer		## manuscripture and the second and	
c. Waste Hauler				
d. Evaporation				
e. Contained in Product			525	
f			07-managamatatatatatatatatatatatatatatatatatat	
g				
	TOTAL		1625	

For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

et -	Size (in.)	A 	verage Flow (gal/day)		Major Source(s) of Flow	pH Range
	611	_	55		MIXING TANK WASHOUTS	6 - 8
	THE PERSON NAMED IN		icanguage was source and a construction of			
						eterningsteen to the State Color Australia de Adeise pur
		_	· · · · · · · · · · · · · · · · · · ·			
	452 747 425 7447 4	<u></u>				#200/AND1
	 -	uma			The state of the s	
		-				
brief	ch a drawing description monitoring o	of any exis	ting sampling	ating the	e location of all outlets listed in question B-4. Incl flow monitoring activities and any other locations	lude the location a where sampling an
brief flow Desc of re treat	description of monitoring of monitoring of the critical straight and t	of your f of any exis can be accor treatment c example, ne	ting sampling nplished. f wastewater utralization,	g and/or r streams chemica	e location of all outlets listed in question B-4. Including flow monitoring activities and any other locations is that occurs prior to discharge to the sewerage system and addition, filtration, oil separation, grease trap, seding the RESIDUES IN MIXERS BEFORE DISCH	where sampling an m and the final disp mentation, or biolo
Desc of re treat	description of monitoring of monitoring of the critical straight and t	of your f of any exis can be accor treatment c example, ne	ting sampling nplished. f wastewater utralization,	g and/or r streams chemica	flow monitoring activities and any other locations state of the sewerage system of the sewe	where sampling an m and the final disp mentation, or biolo
Desc of re treat	description of monitoring of monitoring of the any presiduals. (For example,)	of your f of any exis can be accor treatment c example, ne	ting sampling nplished. f wastewater utralization,	g and/or r streams chemica	flow monitoring activities and any other locations state of the sewerage system of the sewe	where sampling an m and the final disp mentation, or biolo
Desc of re treat	description of monitoring of monitoring of the any presiduals. (For example,)	of your f of any exis can be accor treatment c example, ne	ting sampling nplished. f wastewater utralization,	g and/or r streams chemica	flow monitoring activities and any other locations state of the sewerage system of the sewe	where sampling an m and the final disp mentation, or biolo
Desc of re treat	description of monitoring of monitoring of the any presiduals. (For example,)	of your f of any exis can be accor treatment c example, ne	ting sampling nplished. f wastewater utralization,	g and/or r streams chemica	flow monitoring activities and any other locations state of the sewerage system of the sewe	where sampling an m and the final disp mentation, or biolo
Description Descri	description of monitoring of monitoring of the any presiduals. (For example,)	of your f of any exis can be accor treatment c example, ne	ting sampling nplished. f wastewater utralization,	g and/or r streams chemica	flow monitoring activities and any other locations state of the sewerage system of the sewe	where sampling an m and the final disp mentation, or biolo

Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes EX No 🗆

8. a. Characterize the wastewater for each outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

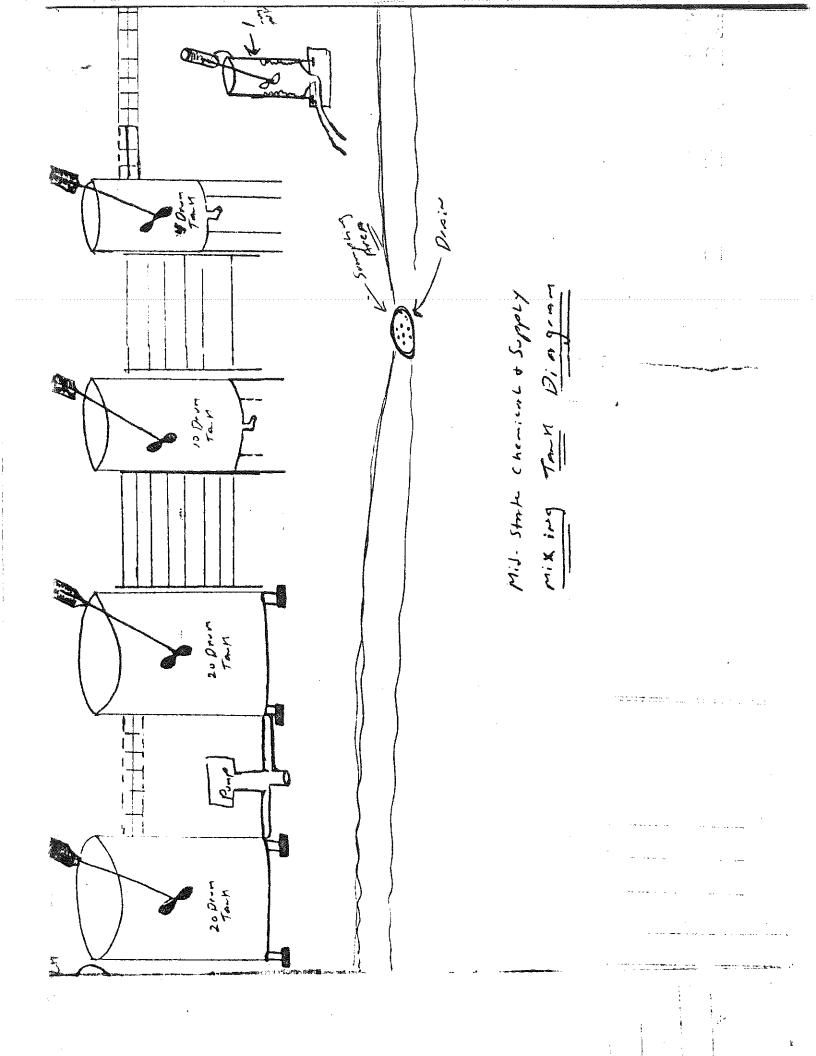
Outlet number	(ref.	B-4):					
---------------	-------	-------	--	--	--	--	--

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEN NO.	·	BELIEVED PRESENT
1.	‡acena phthene	· · · · · · · · · · · · · · · · · · ·	27.	1,4-dichlorobenzene (para)	
2.	*acrolein			*dichlorobenzidine	;
3.	*acrylonitrile		28.	3,3'-dichtarobenzidine	. 🗆
4.	*benzene			*dichloroethylenes (1,1-dichloroethyl-	
5.	*benzidine			ene and 1,2-dichloroethylene)	
6.	*carbon tetrachloride (tetrachloromethane)		29.	1,1-dichloroethylene	
	*chlorinated benzenes (other than dichlorobenzenes)		30.	1,2-trans-dichloroethylene (acetylene dichloride	
7.	chlorobenzene		31.	*2,4-dichlorophenol	
8.	1,2,4-trichlorobenzene		• 7.	*dichloropropane and dichloropropene	u
9.	hexachlorobenzene (perchlorobenzene)		32.	1,2-dichloropropane (propylene dichloride	e) 🗆
	*chlorinated ethanes	_	33.	1,2-dichloropropylene (1,3-	;; LJ
10.	1,2-dichloroethane (ethylene chloride)			dichloropropene)	
11.	1,1,1-trichloroethane		34.	*2,4-dimethylphenol (2,4-xylenol)	
	(methyl chloroform)			*dinitrotoluene	L
12.	hexachloroethane (perchloroethane)	0	35.	2,4-dinitrotoluene	
13.	1,1-dichloroethane (ethylidene chloride)		36.	2,6-dinitrotoluene	
14.	1,1,2-trichloroethane (vinyl trichloride)	. 🗖	37.	*1,2-diphenylhydrazine (hydrazobenzene)	
15.	1,1,2,2-tetrachloroethane (acetylene		38.	*ethylbenzene	
	tetrachloride)		39.	*fluoranthene	
16.	chloroethane (ethylchloride)			*haloethers (other than those listed elsewhere	
	*chloroalkyl ethers (chloromethyl,		40.	4-chlorophenyl phenyl ether	" o
	chloroethyl and mixed ethers)		41.	4-bromophenyl phenyl ether	
17.	bis(chloromethyl) ether		42.	bis(2-chloroisopropyi) ether	
18.	bis(2-chloroethyl) ether		43.	bis (2-chloroethoxy) methane	ā
19.	2-chloroethyl vinyl ether (mixed)			*halomethanes (other than those listed	
	*chlorinated naphthalene			elsewhere)	
20.	2-chloronaphthalene		44.	methylene chloride (dichloromethane)	
	"chlorinated phenols (other than those lister	đ	45.	methyl chloride (chloromethane)	
	elsewhere; includes trichlorophenols and		46.	methyl bromide (bromomethane)	
	chlorinated cresols)		47.	bromoform (tribromomethane)	
21.	2,4,6-trichlorophenol		48.	dichlorobromomethane	
22.	4-chloro-3-methylphene		49.	trichlorofluoromethane (fluorocarbon-11)	
	(parachlorometa cresol)		50.	dichlorodifluoromethane (fluorocarbon-12	
23.	*chloroform (trichloromethane)		51.	dibromochloromethane	-, -
24.	*2-chlorophenol (para-chlorophenol)			(chlorodibromomethane)	
	*dichlorobenzenes		52 .	*hexachlorobutadiene	
25.	1,2-dichlorobenzene (ortho)		53.	*hexachlorocyclopentadiene	_
26.	1,3-dichlorobenzene (meta)			(perchlorocyclopentadiene)	

NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
54	isophorone	a [.]	93.	4,4'-DDE (p,o'-DDX)	
5 5 .	naphthalene		94.	4,4'-DDD (p,o'-TDE)	
56.	nitrobenzene		#	endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol		95.	endosulfan I (a-endosulfan-Alpha)	
e =3	and dinitrocresol)	_	96.	endosulfan II (b-endosulfan-Beta)	
57.	2-nitrophenol (para)		97.	endosulfan sulfate	
58.	4-nitrophenol (ortho)			endrin and metabolites	
59.	*2,4-dinitrophenol		98.	endrin	
60.	4,6-dinitro-2-methylphenol		99.	endrin aldehyde	
	(4,6-dinitro-o-cresol) *nitrosamines			heptachlor and metabolites	
61.	N-nitrosodimethylamine		100.	heptachior	
62.			101.	heptachlor epoxide	
63.	N-nitrosodiphenylamine			hexachlorocyclohexane (all isomers)	
64.	N-nitrosodi-n-propylamine *pentachlorophenol		102.	a-BHC-Alpha	
65.			103.	b-BHC-Beta	
100.	*phenol		104.	r-BHC-Gamma (lindane)	
66	*phthalate esters	press)	105.	g-BHC-Delta	
66.	bis(2-ethylhexyl) phthalate			polychlorinated biphenyls (PCB's)	
67.	butyl benzyl phthalate		106.	PCB-1242 (Arochlor 1242)	
68.	di-n-butyl phthalate		107.	PCB-1254 (Arochlor 1254)	
69.	di-n-octyl phthalate		108.	PCB-1221 (Arochior 1221)	
70.	diethyl phthalate		109.	PCB-1232 (Arochlor 1232)	
71.	dimethyl phthalate		110.	PCB-1248 (Arochlor 1248)	
	*polynuclear aromatic hydrocarbons		111.	PCB-1260 (Arochlor 1260)	
72.	benzo(a)anthracene (1,2-benzanthracene		112.	PCB-1016 (Arochlor 1016)	
73.	benzo(a)pyrene (3,4-benzopyrene)			toxaphene	
74.	3,4-benzofluoranthene			antimony (total)	
75.	benzo(k)fluoranthane (11,12-			arsenic (total)	
	benzofluoranthene)			asbestos (fibrous)	
76.	chrysene (1,2-benzphenanthrene)	. 0		beryllium (total)	
77.	acenaphthylene			cadmium (total)	
78.	anthracene			chromium (hexavalent)	
79.	benzo(ghi)perylene (1,12-benzoperylene)			copper (total)	
80.	fluorene ([alpha] - diphenylene methane			cyanide (total)	
81.	phenanthrene			lead (total)	
82.	dibenzo(a,h)anthracene (1,2,5,6-		123. *	mercury (total)	
	dibenzanthracene)			nickel (total)	
83.	indeno (1,2,3-cd)pyrene (2,3-o-			selenium (total)	
_	phenylenepyrene) ,			silver (total)	
84.	pyrene		127. *	thallium (total)	
85.	*tetrachloroethylene (perchloroethylene)			zinc (total)	
86.	*toluene (methylbenzene or toluol)		129. *	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCI	(dc
87.	*trichloroethylene		* •	· · · · · · · · · · · · · · · · · · ·	
88.	*vinyl chloride (chloroethylene) pesticides and metabolites				
89.	[*] aldrin		- *Spec	cific compounds and chemical classes as lis	ted in the
90.	*dieldrin		197	6 EPA consent degree.	
91.	*chlordane (technical mixture &		** 1Thi	s compound was specifically listed in the c	consent
	metabolites)		cdeg	ree. Because of the extreme toxicity (TCI	DD).
	*DDT and metabolites		(EP	A recommends that laboratories not acquir	·e
92.	4,4'-DDT		£ana	lytical standard for this compound.	

8. -b. List in the "Chemical Compound" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate either the pounds discharged per year or the average concentration in milligrams per liter (mg/1) of the material in the waste stream.

Chemical Compound	Quantity discharged in either:				
STREETING STREET	lbs/yr	mg/1			
BOD ₅					
Chemical Oxygen Demand					
Total Organic Carbon					
Total Suspended Solids					
Ammonia (N)					
Total Kjeldahl Nitrogen					
Petroleum Oils & Grease					
		,			
	400-40-40-00-10-10-10-10-10-10-10-10-10-10-10-10				
	1				
		THE RESERVE OF THE PROPERTY OF			
	CONTRACTOR OF THE CONTRACTOR O				



City of Indianapolis

Industrial Wastewater Pretreatment Questionnaire (One Questionnaire Required Per Facility)

Secti	ion A — General Infor	mation			
1.	Company Name:	Citizens Gas and	Coke Utility		
2.	Street Address:	2950 Prospect Str	eet		
		Indianapolis, IN		zip: <u>46</u>	203
3. · ·	Mailing Address:	-Same 2036 N M	ERIDIAN ST		
		MOINDA ECAL		zip:	6202
4.	Briefly describe the	manufacturing or service activit	y at this facility. $\underline{\hspace{1.5cm}}$	Destructive distil	lation of coal
	in slot-type	by-product recovery	coke ovens. Pr	oducts include co	ke oven
	gas and meta	llurgical coke.			
5.	List the major production process.	ucts or services of the Facility in	n decreasing order of	gross dollar volume and bi	riefly describe its pro-
	DPW use only	Produc	<u>:t</u>	Proc	ess
	4925	<u> </u>		PY 6636 107 1 1	<u>v Págyair</u>
	3312	MANAGER		www.www.indowidatedity-indiget-technique-india-queeze-ingletimumpuna-angu-	ts.
_				1) //	C)
				t	
	= = = = = = = = = = = = = = = = = = = =	narges only domestic sewage to eturn the questionnaire.	the municipal sewerag	ge system; check the box	below, complete
<u> </u>					
		ntained in this questionnaire is to	amiliar to me and to	the best of my knowledge	and belief, such
	Signature of C	Official: KWadekill.	Title:	Encent V G	Annual Land
l l		■ 7 N			

Contact Person:

4	6.	Total number of employees: 236 395
	7.	Operating Schedule: Hrs/Day 24 Days/Week Days/Yr 365
	8.	Scheduled Shutdown Period(s): 10000
	9.	Are processes subject to seasonal variation? Yes □ No ☒
		If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:
•	10.	Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:
		AMOUNT OF PRINCE WAS SAMPLED WITH PRODUCTION IF THE
		ECONOMY I THE LOUIL REDUCE COKE PRODUCTION BY INCREMING
		China Caraba Mass

Section B — Wastewater Information

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verage Gallons Per Day
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- Company of the Comp
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119,000
5000
767,500

	facilities with numero		 if you have any questions on reporting this information 	, par troutarry
tlet o.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
١.	12" (Example	302330	Process James 1985	<u> 50-</u>
2.	L'UIT THE	(1)0	LACORATERN	<u> </u>
3.	Est si ri		#1600 SEY CASITARY	- 100 t - 1 .
4.	$\overline{\mathcal{P}_{\mu}}$ in ω		LOBER BULDIO, TAUDRY	
5.	1, 1,	٧	SE OFFICE	
6.	**	MERCHANTON TO LEAST THE PROPERTY OF	<u> </u>	
7.				
			ORTHOL OF THE LUMBAR USER - IDOINIOUNE SAUTHER	
At br flo De	tach a drawing of you lef description of any low monitoring can be a escribe any pretreatme	ur facility indicating existing sampling and accomplished. ent of wastewater stre	the location of all outlets listed in question B-4. Including flow monitoring activities and any other locations where we have that occurs prior to discharge to the sewerage system and addition, filtration, oil separation, grease trap, sediments	e the location arere sampling a
At br flo Do of tro	etach a drawing of your ief description of any own monitoring can be a escribe any pretreatme residuals. (For example eatment.)	ur facility indicating existing sampling and eccomplished. ent of wastewater stree, neutralization, chem	the location of all outlets listed in question B-4. Includ- d/or flow monitoring activities and any other locations who sams that occurs prior to discharge to the sewerage system a	e the location are sampling a and the final dintation, or biol
At br flo Do of tro	etach a drawing of your ief description of any own monitoring can be a describe any pretreatment residuals. (For example eatment.)	ur facility indicating existing sampling and accomplished. Int of wastewater stree, neutralization, chemother the weir for oil	the location of all outlets listed in question B-4. Includ- d/or flow monitoring activities and any other locations who sams that occurs prior to discharge to the sewerage system a nical addition, filtration, oil separation, grease trap, sediment	e the location are sampling a and the final dintation, or biol
At br flo Do of tro	etach a drawing of your ief description of any own monitoring can be a describe any pretreatment residuals. (For example eatment.)	ur facility indicating existing sampling and accomplished. Int of wastewater stree, neutralization, chemother the weir for oil	the location of all outlets listed in question B-4. Including a continuous of the severage system and any other locations where the severage system and addition, filtration, oil separation, grease trap, sedimental addition.	e the location are sampling a and the final dintation, or biol
At br flo Do of	etach a drawing of your ief description of any own monitoring can be a describe any pretreatment residuals. (For example eatment.)	ur facility indicating existing sampling and accomplished. Int of wastewater stree, neutralization, chemother the weir for oil	the location of all outlets listed in question B-4. Including a continuous of the severage system and any other locations where the severage system and addition, filtration, oil separation, grease trap, sedimental addition.	e the location are sampling a and the final dintation, or biol
At br flo Do of tro	etach a drawing of your ief description of any own monitoring can be a describe any pretreatment residuals. (For example eatment.)	ur facility indicating existing sampling and accomplished. Int of wastewater stree, neutralization, chemother the weir for oil	the location of all outlets listed in question B-4. Including a continuous of the severage system and any other locations where the severage system and addition, filtration, oil separation, grease trap, sedimental addition.	e the location are sampling a and the final dintation, or biol
br flo De of tro	etach a drawing of your ief description of any own monitoring can be a describe any pretreatment residuals. (For example eatment.)	ur facility indicating existing sampling and accomplished. Int of wastewater stree, neutralization, chemother the weir for oil	the location of all outlets listed in question B-4. Including a continuous of the severage system and any other locations where the severage system and addition, filtration, oil separation, grease trap, sedimental addition.	e the location here sampling a and the final di ntation, or biol

4.

8. a. Characterize the wastewater for each outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage	je system.
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Outlet number (ref. B	4):
Outlot Hamber Ner. D	77.

ITEM NO.	1 CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.		BELIEVED PRESENT
1.	*acenaphthene		27.	1,4-dichlorobenzene (para)	
2.	*acrolein			*dichlorobenzidine	
3.	*acrylonitrile		28.	3,3'-dichlorobenzidine	
4.	*benzene	Ø		*dichloroethylenes (1,1-dichloroethyl-	
5.	*benzidine			ene and 1,2-dichloroethylene)	
6.	*carbon tetrachloride (tetrachloromethane)		29.	1,1-dichloroethylene	
	*chlorinated benzenes (other than		30.	1,2-trans-dichloroethylene (acetylene	
	dichlorobenzenes)			dichloride	
7.	chlorobenzene		31.	*2,4-dichlorophenol	
8.	1,2,4-trichlorobenzene			*dichloropropane and dichloropropene	
9.	hexachlorobenzene (perchlorobenzene)		32.	1,2-dichloropropane (propylene dichloride) 🗆
	*chlorinated ethanes		33.	1,2-dichloropropylene (1,3-	•
10.	1,2-dichloroethane (ethylene chloride)			dichloropropene)	
11.	1,1,1-trichloroethane		34.	*2,4-dimethylphenol (2,4-xylenol)	
	(methyl chloroform)			*dinitrotoluene	
12.	hexachloroethane (perchloroethane)		35.	2,4-dinitrotoluene	
13.	1,1-dichloroethane (ethylidene chloride)		36.	2,6-dinitrotoluene	
14.	1,1,2-trichloroethane (vinyl trichloride)		37.	*1,2-diphenylhydrazine (hydrazobenzene)	
15.	1,1,2,2-tetrachloroethane (acetylene		38.	*ethylbenzene	
	tetrachloride)		39.	*fluoranthene	
16.	chloroethane (ethylchloride)			*haloethers (other than those listed elsewhere	
	*chloroalkyl ethers (chloromethyl,		40.	4-chlorophenyl phenyl ether	
	chloroethyl and mixed ethers)		41.	4-bromophenyl phenyl ether	
17.	bis(chloromethyl) ether		42.	bis(2-chloroisopropyl) ether	
18.	bis(2-chloroethyl) ether		43.	bis (2-chloroethoxy) methane	
19.	2-chloroethyl vinyl ether (mixed)			*halomethanes (other than those listed	
	*chlorinated naphthalene			elsewhere)	
20.	2-chloronaphthalene		44.	methylene chloride (dichloromethane)	
	*chlorinated phenols (other than those listed	d	45.	methyl chloride (chloromethane)	
	elsewhere; includes trichlorophenols and		46.	methyl bromide (bromomethane)	
	chlorinated cresols)		47.	bromoform (tribromomethane)	
21.	2,4,6-trichlorophenol		48.	dichlorobromomethane	
22.	4-chloro-3-methylphene		49.	trichlorofluoromethane (fluorocarbon-11)	
	(parachlorometa cresol)		50.	dichlorodifluoromethane (fluorocarbon-12	
23.	*chloroform (trichloromethane)		51.	dibromochloromethane	-, —
24.	*2-chlorophenol (para-chlorophenol)	ō		(chlorodibromomethane)	
	*dichlorobenzenes		52.	*hexachlorobutadiene	
25.	1,2-dichlorobenzene (ortho)		53.	*hexachlorocyclopentadiene	lmad
26.	1,3-dichlorobenzene (meta)		50.	(perchlorocyclopentadiene)	

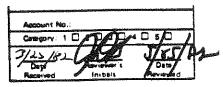
ITEN NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.		ELIEVED RESENT
54.	*isophorone		93.	4,4'-DDE (p,o'-DDX)	
55.	*naphthalene	Q [']	94.	4,4'-DDD (p,o'-TDE)	
56.	*nitrobenzene		•	endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol		95.	endosulfan I (a-endosulfan-Alpha)	
	and dinitrocresol)		96.	endosulfan II (b-endosulfan-Beta)	
57.	2-nitrophenol (para)		97.	endosulfan sulfate	
58.	4-nitrophenol (ortho)		;	endrin and metabolites	
59.	*2,4-dinitrophenol		98.	endrin	
60.	4,6-dinitro-2-methylphenol		99.	endrin aldehyde	
	(4,6-dinitro-o-cresol)		4	*heptachlor and metabolites	
	*nitrosamines		100.	heptachlor	
61.	N-nitrosodimethylamine		101.	heptachlor epoxide	
62.	N-nitrosodiphenylamine		•	*hexachlorocyclohexane (all isomers)	
63.	N-nitrosodi-n-propylamine		102.	a-BHC-Alpha	
64.	*pentachlorophenol	ο,	103.	b-BHC-Beta	
65.	*phenol	t 2	104.	r-BHC-Gamma (lindane)	
	*phthalate esters		105.	g-BHC-Delta	
66 .	bis(2-ethylhexyl) phthalate			*polychlorinated biphenyls (PCB's)	
67.	butyi benzyl phthalate		106.	PCB-1242 (Arochlor 1242)	
68.	di-n-butyl phthalate		107.	PCB-1254 (Arochlor 1254)	
69.	di-n-octyl phthalate		108.	PCB-1221 (Arochlor 1221)	
70.	diethyl phthalate		109.	PCB-1232 (Arochlor 1232)	
71.	dimethyl phthalate		110.	PCB-1248 (Arochlor 1248)	
	*polynuclear aromatic hydrocarbons		111.	PCB-1260 (Arochlor 1260)	
72.	benzo(a)anthracene (1,2-benzanthracene		112.	PCB-1016 (Arochlor 1016)	
73.	benzo(a)pyrene (3,4-benzopyrene)			*toxaphene	
74.	3,4-benzofluoranthene		114.	*antimony (total)	
75.	benzo(k)fluoranthane (11,12-			*arsenic (total)	
	benzofluoranthene)		116.	*asbestos (fibrous)	
76.	chrysene (1,2-benzphenanthrene)			*beryllium (total)	
77.	acenaphthylene			*cadmium (total)	
78.	anthracene			*chromium (hexavalent)	
79.	benzo(ghi)perylene (1,12-benzoperylene)			*copper (total)	
80.	fluorene ([alpha] - diphenylene methane) 🗆		*cyanide (total) ろうやう /	
81.	phenanthrene			*lead (total)	
82.	dibenzo(a,h)anthracene (1,2,5,6-			*mercury (total)	
	dibenzanthracene)			*nickel (total)	
83.	indeno (1,2,3-cd)pyrene (2,3-o-			*selenium (total)	
	phenylenepyrene)			*silver (total)	
84.	pyrene			*thallium (total)	
85.	*tetrachloroethylene (perchloroethylene)			*zinc (total)	
86.	*toluene (methylbenzene or toluol)		129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) 🗆
87.	*trichloroethylene				
88.	*vinyl chloride (chloroethylene)				
	pesticides and metabolites		*c	noific appropriate and abomical states as the state	in tha
89.	*aldrin			ecific compounds and chemical classes as listed	iii ine
90.	*dieldrin			76 EPA consent degree.	
91.	*chlordane (technical mixture &			is compound was specifically listed in the cons	
	metabolites)		_	gree. Because of the extreme toxicity (TCDD),	,
	*DDT and metabolites			A recommends that laboratories not acquire	
92.	4,4'-DDT		ana	llytical standard for this compound.	

b. List in the "Chemical C. Jound" column all materials identified in the calof this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate either the pounds discharged per year or the average concentration in milligrams per liter (mg/1) of the material in the waste stream.

Chemical Compound	Quantity discharged in either:		
Chemical Compound	lbs/yr	mg/1	
BOD ₅		143 ml)	
Chemical Oxygen Demand		1550 mall	
Total Organic Carbon		7	
Total Suspended Solids		1000 mll	
Ammonia (N)		2481 mil	
Total Kjeldahl Nitrogen		2481	
Petroleum Oils & Grease		12 "	
PHEUDLU		, y .,	
THIO (YAURTE ?		modinell	
BEDSO MIRY RENE		NO @ JOS MOID	
DARHTHALEDE		100 0 mll	
Rentere		ND@.ormil	
TOMIC CYRCICE		35 10	
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-7-

City of Indianapolis



Industrial Wastewater Pretreatment Questionnaire (One Questionnaire Required Per Facility)

Company Name:	Reilly Tar and Chemical Corpor	ration
Street Address:	1500 South Tibbs Avenue	
	Indianapolis, IN	zip:46241
Mailing Address:	1510 Market Square Center	
	Indianapolis, IN	zìp: 46204
Briefly describe the m	anufacturing or service activity at this facility	Manufacture synthetic pyridine
and relate	ed organic compounds.	
A SAME OF THE SAME		
List the major produc	cts or services of the Facility in decreasing ord	der of gross dollar volume and briefly describe its (
duction process.		
1		Process
DPW use only	Product	F 1 QUESS
2.865		
242	1. Pyridine	Continuous .
2622	 Pyridine Picolines 	Continuous . Continuous
2822 2869 2879	Marie Constant Const	**************************************
2865 2869	2. Picolines	Continuous
2822 2865 2869 2879 2879	2. Picolines3. 2-Vinylpyridine	Continuous Continuous
2865 2869 2865 2879 2879 2899	2. Picolines3. 2-Vinylpyridine4. Niacinamide	Continuous Continuous Continuous
282 2865 2879 2879 2899 If your facility disch	2. Picolines3. 2-Vinylpyridine4. Niacinamide	Continuous Continuous
282 2865 2879 2879 2899 If your facility disch	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sawage to the municipal savage.	Continuous Continuous Continuous
282 2865 2879 2879 2899	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sawage to the municipal savage.	Continuous Continuous Continuous
2879 2879 2879 2899 1f your facility disch this page only, and n	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sewage to the municipal seturn the questionnaire.	Continuous Continuous Continuous sewerage system; check the box below, complete
2879 2879 2879 2899 If your facility dischethis page only, and notes that the page of the	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sawage to the municipal seturn the questionnaire.	Continuous Continuous Continuous
2879 2879 2879 2899 If your facility dischethis page only, and notes that the page of the	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sawage to the municipal saturn the questionnaire. mained in this questionnaire is familiar to me complete, and accurate.	Continuous Continuous Continuous Continuous sewerage system; check the box below, complete and to the best of my knowledge and belief, such
2879 2879 2879 2899 If your facility dischethis page only, and notes that the page of the	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sawage to the municipal saturn the questionnaire. Intained in this questionnaire is familiar to me complete, and accurate.	Continuous Continuous Continuous sewerage system; check the box below, complete
2879 2879 2879 2879 2899 If your facility dischethis page only, and more information continuous information is true, Signature of Continuous C	2. Picolines 3. 2-Vinylpyridine 4. Niacinamide arges only domestic sawage to the municipal saturn the questionnaire. mained in this questionnaire is familiar to me complete, and accurate. Official:	Continuous Continuous Continuous Continuous sewerage system; check the box below, complete and to the best of my knowledge and belief, such

6.	.Total number of employees:	300	-	
7.	Operating Schedule: Hrs/Day	24	Days/Week	Days/Yr 365
8.	Scheduled Shutdown Period(s):	None	htternetische gegen g	
9.	Are processes subject to seasonal varia	ntion? Yes 🛚	No 🖾	
	If yes, explain and indicate the month	n(s) of peak opera	tion, products and affect o	n wastewater volume and characteristics:
	-			
	ate: Tools being Depth - An exception to the control of the contro	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE		
		CONTRACTOR OF THE PROPERTY OF		
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		голин жатанда каланда жана жана жана жана жана жана жана	SCIENCESCONO CONTRACTOR CO	
			aan muutuvalisten käinele telä minin minin minin minin minin minin muunaa muutuu muun muutuu muun muutuu kan k	
10.	. Describe any operating conditions (volume (batch processes, clean-up, e			your wastewater characteristics and/or
	Utilization of a mult	i-product, m	ade-to-order manufac	turing facility, batch
	processes.			
-				
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	Company of the confederation o	- chosen and a second a second and a second		

Section B - Wastewater Informatic

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644,100	
Average Gallons Per Day	
628,300	
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44,700	
28,900	
40-10-1-10-1-10-1-10-1-10-1-10-1-10-1-1	
628,300	•
Account of the Control of the Contro	
	628,300

1. 12" 617.800 Process 5-10 2. 15" -0- Alternate Discharge of #1 5-10 3. 8" 8,000 Sanitary 5-10 4. 12" 2,500 Sanitary 5-10 5	Note for f	e: Please contact C acilities with nume	Dale Bertelson (634-2030 Perous outlets.	if you have any questions on reporting this information	tion, particularly
2. 15" -0- Alternate Discharge of #1 5-10 8" 8,000 Sanitary 5-10 12" 2,500 Sanitary 5-10 5	itlet lo.			Major Source(s) of Flow	•
2. 8" 8,000 Sanitary 5-10 4. 12" 2,500 Sanitary 5-10 5. 6. 7.	1.	12"	617,800	Process	5-10
8" 8,000 Sanitary 5-10 12" 2,500 Sanitary 5-10 5	2.	15"	()	Alternate Discharge of #1	5-10
4. 2,500 Sanitary 5-10 5		8"	8,000	Sanitary	5-10
Attach a drawing of your facility indicating the location of all outlets listed in question 8-4. Include the location at brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling an flow monitoring can be accomplished. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final displacement of the sewerage system and the final displacement.)	4.	12"	2,500	Sanitary	5-10
Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location at brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and flow monitoring can be accomplished. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disp of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)	5.		manage and the second s		
Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location at brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling an flow monitoring can be accomplished. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposition of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)	_				position .
Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location at brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling an flow monitoring can be accomplished. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposition of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)	e.				
brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and flow monitoring can be accomplished. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposition of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)		eponential states	open com a delica de septembra de la construir de la filia de la construir de la const		
	7. 8.		your facility indicating	g the location of all outlets listed in question 8-4. In	nclude the location at
	7. 8. Arribri	tach a drawing of ef description of a ew monitoring can escribe any pretrea residuals. (For exa estment.)	any existing sampling an be accomplished. Itment of wastewater str mple, neutralization, che	reams that occurs prior to discharge to the sewerage symmetrical addition, filtration, oil separation, grease trap, se	stem and the final disp
	7. 8. Arribri flo De	tach a drawing of ef description of a ew monitoring can escribe any pretrea residuals. (For exa estment.)	any existing sampling an be accomplished. Itment of wastewater str mple, neutralization, che	reams that occurs prior to discharge to the sewerage symmetrical addition, filtration, oil separation, grease trap, se	stem and the final disp
	7. 8. Attribution Decorates	tach a drawing of ef description of a ew monitoring can escribe any pretrea residuals. (For exa estment.)	any existing sampling an be accomplished. Itment of wastewater str mple, neutralization, che	reams that occurs prior to discharge to the sewerage symmetrical addition, filtration, oil separation, grease trap, se	stem and the final disp
	7. 8. Arribri flo	tach a drawing of ef description of a ew monitoring can escribe any pretrea residuals. (For exa estment.)	any existing sampling an be accomplished. Itment of wastewater str mple, neutralization, che	reams that occurs prior to discharge to the sewerage symmetrical addition, filtration, oil separation, grease trap, se	stem and the final dis

6. a. Characterize the wastewater for each outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note:	This section should be completed only if process	wastewater is	discharged to 1	the sewerage system
			•	and an extended all atout!

Outlet number (ref. B-4):

NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITE NO.		BELIEVED PRESENT
1.	*acena phthene		27.	1,4-dichlorobenzene (para)	
2.	*scrolein			*dichlorobenzidine	لسة
3.	*acrylonitrile		28.	3,3'-dichlorobenzidine	
4.	benzene	₩		*dichloroethylenes (1,1-dichloroethyl-	u
5.	• benzidine			ene and 1,2-dichloroethylene)	
6.	carbon tetrachloride (tetrachloromethane)		29.	1,1-dichloroethylene	
	*chlorinated benzenes (other than		3 0.	1,2-trans-dichloroethylene (acetylene	أبييا
	dichlorobenzenes)			dichloride	
7.	chlorobenzene		31.	*2,4-dichloropheno!	
8.	1,2,4-trichlorobenzene			*dichloropropane and dichloropropene	لــة ا
9.	hexachlorobenzene (perchlorobenzene)		32 .	1,2-dichloropropane (propylene dichloride) 🗀
	chlorinated ethanes		3 3.	1,2-dichloropropylene (1,3-	·
10.	1,2-dichloroethane (ethylene chloride)			dichloropropene)	
11.	1,1,1-trichloroethane		34.	*2,4-dimethylphenol (2,4-xylenol)	
	(methyl chloroform)			*dinitrotoluene	اسا
12.	hexachloroethane (perchloroethane)		35 .	2,4-dinitrotoluene	[1
3.	1,1-dichloroethane (ethylidene chloride)		3 6.	2,6-dinitrotoluene	
14.	1,1,2-trichloroethane (vinyl trichloride)		37 .	*1,2-diphenylhydrazine (hydrazobenzene)	
5.	1,1,2,2-tetrachloroethane (acetylene		38.	*ethylbenzene	
	tetrachloride)		39.	*fluoranthene	
6.	chloroethane (ethylchloride)			*haloethers (other than those listed elsewhere	L !
	^e chloroalkyl ethers (chloromethyl,		40.	4-chlorophenyl phenyl ether	
	chloroethyl and mixed ethers)		41.	4-bromophenyl phenyl ether	
7.	bis(chloromethyl) ether		42.	bis(2-chloroisopropyl) ether	
8.	bis(2-chloroethyl) ether		43.	bis (2-chloroethoxy) methane	
9.	2-chloroethyl vinyl ether (mixed)			*halomethanes (other than those listed	لسا
_	chlorinated naphthalene			elsewhere)	
0.	2-chloronaphthalene		44.	methylene chloride (dichloromethane)	
	chlorinated phenols (other than those listed		45.	methyl chloride (chloromethane)	
	elsewhere; includes trichlorophenols and		45.	methyl bromide (bromomethane)	
	chlorinated cresols)		47.	bromoform (tribromomethane)	
١.	2,4,6-trichlorophenol		48.	dichlorobromomethane	
2.	4-chloro-3-methylphene		49.	trichlorofluoromethane (fluorocarbon-11)	
	(parachiorometa cresol)		50.	dichlorodifluoromethane (fluorocarbon-12)	, 0
3.	chloreform (trichloromethane)		51.	dibromochloromethane	
4.	2-chlorophenol (para-chlorophenol)			(chlorodibromomethene)	P ^{ero} li
	dichlorobenzenes		5 2.	*hexachlorobutadiene	
5.	1,2-dichlorobenzene (ortho)		53.	hexachlorocyclopentadiene	L
3.	1,3-dichlorobenzene (meta)		- 	(perchlorocyclopentadiene)	

TE	e je				
NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITE: NO.	011511101110111011	ELIE\
i4 .	isophorone		93.	4,4'-DDE (p,o'-DDX)	***************************************
5.	naphthalene		94.	11 DOT (6'0 DDV)	
6.	nitrobenzene			endosulfan and metabolites	
	enitrophenols (including 2,4-dinitrophenol		9 5.	endosulfan I (a-endosulfan-Alpha)	,
7.	and dinitrocresol)		96.	endosulfan II (b-endosulfan-Beta)	
7. 8.	2-nitrophenol (para)		97.	endosulfan sulfate	
6. 9.	4-nitrophenol (ortho)			endrin and metabolites	
э. D.	*2.4-dinitrophenol	₽	98.	endrin	~
w.	4,6-dinitro-2-methylphenol (4,6-dinitro-o-cresol)		99.	endrin aldehyde	
	*nitrosamines			heptachlor and metabolites	L
4 .	N-nitrosodimethylamine		100.	heptachlor	
2.	N-nitrosodimetriylamine		101.	heptachior epoxide	
3.				"hexachlorocyclohexane (all isomers)	ليا
1.	N-nitrosodi-n-propylamine pentachlorophenol		102.	a-BHC-Alpha	
٠. ٥.	*phenol		103.	b-BHC-Beta	
<i>3</i> .	*phthalate esters	Ð	104.	r-BHC-Gamma (lindane)	
3 .			105.	g-BHC-Delta	
,. ,	bis(2-ethylhexyl) phthalate			*polychlorinated biphenyls (PCB's)	
· }.	butyl benzyl phthalate di-n-butyl phthalate		106.	PCB-1242 (Arochlor 1242)	
).	di-n-octyl phthalate	₽	107.	PCB-1254 (Arochlor 1254)	
			108.	PCB-1221 (Arochlor 1221)	
	diethyl phthalate		109.	PCB-1232 (Arochlor 1232)	
	dimethyl phthalate		110.	PCB-1248 (Arochior 1248)	
	*polynuclear aromatic hydrocarbons		111.	PCB-1260 (Arochlor 1260)	
	benzo (a) anthracene (1,2-benzanthracene)		112.	PCB-1016 (Arochlor 1016)	
	benzo(a)pyrene (3,4-benzopyrene) 3,4-benzofluoranthene		113.	toxaphene	
				*antimony (total)	
•	benzo(k)fluoranthane (11,12- benzofluoranthene)		115.	arsenic (total)	_
			116.	asbestos (fibrous)	
	chrysene (1,2-benzphenanthrene) scenaphthylene		117.	beryllium (total)	
	anthracene		118.	cadmium (total)	
			119. '	chromium (hexavalent)	
	benzo(ghi)perylene (1,12-benzoperylene)		120. 1	copper (total)	
	fluorene ([alpha] - diphenylene methane) phenanthrene		121. '	cyanide (total)	
	dibenzo(a,h)anthracene (1,2,5,6-		122.	lead (total)	
	dibenzanthracene)		123. °	mercury (total)	
	indeno (1,2,3-cd)pyrene (2,3-o-		124. °	nickel (total)	
	phenylenepyrene)		125. °	selenium (total)	
	pyrene pyrenepyrene)		126. °	silver (total)	
•	• •			thallium (total)	
€,	tetrachloroethylene (perchloroethylene)		128. °	zinc (total)	
•	toluene (methylbenzene or toluol) trichloroethylene		129. *	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	
				TOTAL PRODUCTION (TODD)	L
~	rinyl chloride (chloroethylene) esticides and metabolites				
į.R	success and metabolites Seletin				
	evoerin *Oseloirin		"Spec	ific compounds and chemical classes as listed in	the
			18/0	Era consent degree.	
	echlordane (technical mixture &		This	compound was specifically listed in the consent	
٠,	metabolites)		degre	e. Because of the extreme toxicity (TCDD),	
	DDT and metabolites		EPA	recommends that laboratories not acquire	
	4,4'-DDT		anal	tical standard for this compound.	

b. List in the "Chemical C and" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate either the pounds discharged per year or the average concentration in milligrams per liter (mg/1) of the material in the waste stream.

Chemical Compound	Quantity	Quantity discharged in either:		
	lbs/yr	mg/1		
BOD ₅		1221		
Chemical Oxygen Demand		2583		
Total Organic Carbon		Not Analyzed		
Total Suspended Solids				
Ammonia (N)		111		
Total Kjeldahl Nitrogen		213		
Petroleum Oils & Grease		590		
Total Cyanide		14		
Pheno1s		88		
Benzene		.12		
Dellzene		16.		
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